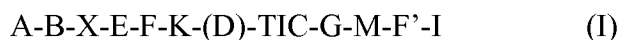


**Amendments to the claims:**

Please amend the claims as indicated below. This listing of claims replaces all earlier versions of the claims in the application:

1. (Currently amended) A method for treating a degenerative joint disease which includes matrix degradation, in a patient in need thereof, ~~wherein~~ said degenerative joint disease is being selected from the group consisting of osteoarthritis, spondyloses and cartilage atrophy, ~~wherein said the method comprises~~ comprising inhibiting matrix degradation by administering to the patient a pharmaceutically effective amount of a compound of formula I

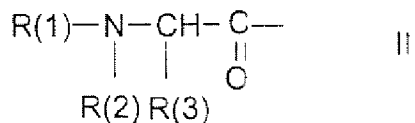


wherein:

A is hydrogen,

(C<sub>1</sub>-C<sub>8</sub>)-alkyl, (C<sub>1</sub>-C<sub>8</sub>)-alkanoyl, (C<sub>1</sub>-C<sub>8</sub>)-alkoxycarbonyl or (C<sub>1</sub>-C<sub>8</sub>)-alkylsulfonyl, each of which is optionally substituted one, two or three times by carboxyl, amino, (C<sub>1</sub>-C<sub>4</sub>)-alkyl, (C<sub>1</sub>-C<sub>4</sub>)-alkyl-amino, hydroxy, (C<sub>1</sub>-C<sub>3</sub>)-alkoxy, halogen, di-(C<sub>1</sub>-C<sub>4</sub>)-alkyl-amino, carbamoyl, sulfamoyl, (C<sub>1</sub>-C<sub>4</sub>)-alkoxycarbonyl, (C<sub>6</sub>-C<sub>12</sub>)-aryl or (C<sub>6</sub>-C<sub>12</sub>)-aryl-(C<sub>1</sub>-C<sub>5</sub>)-alkyl, or each of which is optionally substituted one time by (C<sub>3</sub>-C<sub>8</sub>)-cycloalkyl, (C<sub>1</sub>-C<sub>4</sub>)-alkylsulfonyl, (C<sub>1</sub>-C<sub>4</sub>)-alkylsulfinyl, (C<sub>6</sub>-C<sub>12</sub>)-aryl-(C<sub>1</sub>-C<sub>4</sub>)-alkylsulfonyl, (C<sub>6</sub>-C<sub>12</sub>)-aryl-(C<sub>1</sub>-C<sub>4</sub>)-alkylsulfinyl, (C<sub>6</sub>-C<sub>12</sub>)-aryloxy, (C<sub>3</sub>-C<sub>9</sub>)-heteroaryl or (C<sub>3</sub>-C<sub>9</sub>)-heteroaryloxy, and is further optionally substituted one or two times by carboxyl, amino, (C<sub>1</sub>-C<sub>4</sub>)-alkylamino, hydroxy, (C<sub>1</sub>-C<sub>4</sub>)-alkoxy, halogen, di-(C<sub>1</sub>-C<sub>4</sub>)-alkylamino, carbamoyl, sulfamoyl, (C<sub>1</sub>-C<sub>4</sub>)-alkyloxycarbonyl, (C<sub>6</sub>-C<sub>12</sub>)-aryl or (C<sub>6</sub>-C<sub>12</sub>)-aryl-(C<sub>1</sub>-C<sub>5</sub>)-alkyl, wherein the heteroaryl is optionally substituted one, two, three or four times by carboxyl, amino, nitro, hydroxy, cyano, (C<sub>1</sub>-C<sub>4</sub>)-alkylamino, (C<sub>1</sub>-C<sub>4</sub>)-alkyl, (C<sub>1</sub>-C<sub>4</sub>)-alkoxy, halogen, di-(C<sub>1</sub>-C<sub>4</sub>)-alkylamino, carbamoyl, sulfamoyl or (C<sub>1</sub>-C<sub>4</sub>)-alkoxycarbonyl, (C<sub>3</sub>-C<sub>8</sub>)-cycloalkyl,

carbamoyl, which is optionally substituted on the nitrogen by (C<sub>1</sub>-C<sub>6</sub>)-alkyl or (C<sub>6</sub>-C<sub>12</sub>)-aryl, (C<sub>6</sub>-C<sub>12</sub>)-aryl, (C<sub>6</sub>-C<sub>12</sub>)-aroyl, (C<sub>6</sub>-C<sub>12</sub>)-arylsulfonyl, (C<sub>3</sub>-C<sub>9</sub>)-heteroaryl or (C<sub>3</sub>-C<sub>9</sub>)-heteroaroyl, wherein the heteroaryl, aroyl, arylsulfonyl and heteroaroyl are each independently optionally substituted one, two, three or four times by carboxyl, amino, nitro, hydroxy, cyano, (C<sub>1</sub>-C<sub>4</sub>)-alkylamino, (C<sub>1</sub>-C<sub>4</sub>)-alkyl, (C<sub>1</sub>-C<sub>4</sub>)-alkoxy, halogen, di-(C<sub>1</sub>-C<sub>4</sub>)-alkylamino, carbamoyl, sulfamoyl or (C<sub>1</sub>-C<sub>4</sub>)-alkoxycarbonyl, or of formula II,



wherein

R(1) is hydrogen, (C<sub>1</sub>-C<sub>8</sub>)-alkyl, (C<sub>1</sub>-C<sub>8</sub>)-alkanoyl, (C<sub>1</sub>-C<sub>8</sub>)-alkoxycarbonyl or (C<sub>1</sub>-C<sub>8</sub>)-alkylsulfonyl, each of which is optionally substituted one, two or three times by carboxyl, amino, (C<sub>1</sub>-C<sub>4</sub>)-alkyl, (C<sub>1</sub>-C<sub>4</sub>)-alkylamino, hydroxy, (C<sub>1</sub>-C<sub>3</sub>)-alkoxy, halogen, di-(C<sub>1</sub>-C<sub>4</sub>)-alkyl-amino, carbamoyl, sulfamoyl, (C<sub>1</sub>-C<sub>4</sub>)-alkoxycarbonyl, (C<sub>6</sub>-C<sub>12</sub>)-aryl or (C<sub>6</sub>-C<sub>12</sub>)-aryl-(C<sub>1</sub>-C<sub>5</sub>)-alkyl, or each of which is optionally substituted one time by (C<sub>3</sub>-C<sub>8</sub>)-cycloalkyl, (C<sub>1</sub>-C<sub>4</sub>)-alkylsulfonyl, (C<sub>1</sub>-C<sub>4</sub>)-alkylsulfinyl, (C<sub>6</sub>-C<sub>12</sub>)-aryl-(C<sub>1</sub>-C<sub>4</sub>)-alkylsulfonyl, (C<sub>6</sub>-C<sub>12</sub>)-aryl-(C<sub>1</sub>-C<sub>4</sub>)-alkylsulfinyl, (C<sub>6</sub>-C<sub>12</sub>)-aryloxy, (C<sub>3</sub>-C<sub>9</sub>)-heteroaryl or (C<sub>3</sub>-C<sub>9</sub>)-heteroaryloxy, and is further optionally substituted one or two times by carboxyl, amino, (C<sub>1</sub>-C<sub>4</sub>)-alkylamino, hydroxy, (C<sub>1</sub>-C<sub>4</sub>)-alkoxy, halogen, di-(C<sub>1</sub>-C<sub>4</sub>)-alkylamino, carbamoyl, sulfamoyl, (C<sub>1</sub>-C<sub>4</sub>)-alkyloxycarbonyl, (C<sub>6</sub>-C<sub>12</sub>)-aryl or (C<sub>6</sub>-C<sub>12</sub>)-aryl-(C<sub>1</sub>-C<sub>5</sub>)-alkyl, wherein the heteroaryl is

optionally substituted one, two, three or four times by carboxyl, amino, nitro, hydroxy, cyano, (C<sub>1</sub>-C<sub>4</sub>)-alkylamino, (C<sub>1</sub>-C<sub>4</sub>)-alkyl, (C<sub>1</sub>-C<sub>4</sub>)-alkoxy, halogen, di-(C<sub>1</sub>-C<sub>4</sub>)-alkylamino, carbamoyl, sulfamoyl or (C<sub>1</sub>-C<sub>4</sub>)-alkoxycarbonyl, (C<sub>3</sub>-C<sub>8</sub>)-cycloalkyl, carbamoyl, which is optionally substituted on the nitrogen by (C<sub>1</sub>-C<sub>6</sub>)-alkyl or (C<sub>6</sub>-C<sub>12</sub>)-aryl,

or

(C<sub>6</sub>-C<sub>12</sub>)-aryl, (C<sub>6</sub>-C<sub>12</sub>)-aroyl, (C<sub>6</sub>-C<sub>12</sub>)-arylsulfonyl, (C<sub>3</sub>-C<sub>9</sub>)-heteroaryl or (C<sub>3</sub>-C<sub>9</sub>)-heteroaroyl, wherein the heteroaryl, aroyl, arylsulfonyl and heteroaroyl are each independently optionally substituted one, two, three or four times by carboxyl, amino, nitro, hydroxy, cyano, (C<sub>1</sub>-C<sub>4</sub>)-alkylamino, (C<sub>1</sub>-C<sub>4</sub>)-alkyl, (C<sub>1</sub>-C<sub>4</sub>)-alkoxy, halogen, di-(C<sub>1</sub>-C<sub>4</sub>)-alkylamino, carbamoyl, sulfamoyl or (C<sub>1</sub>-C<sub>4</sub>)-alkoxycarbonyl,

R(2) is hydrogen or methyl,

R(3) is hydrogen or (C<sub>1</sub>-C<sub>6</sub>)-alkyl, wherein the alkyl is optionally monosubstituted by amino, substituted amino, hydroxy, carbamoyl, guanidino, substituted guanidino, ureido, mercapto, methyl-mercapto, phenyl, 4-chlorophenyl, 4-fluorophenyl, 4-nitrophenyl, 4-methoxyphenyl, 4-hydroxyphenyl, phthalimido, 4-imidazolyl, 3-indolyl, 2-thienyl, 3-thienyl, 2-pyridyl, 3-pyridyl or cyclohexyl, wherein the substituted amino is -NH-A'- and the substituted guanidino is -NH-C(NH)-NH-A'-, wherein A' is

hydrogen,

(C<sub>1</sub>-C<sub>8</sub>)-alkyl, (C<sub>1</sub>-C<sub>8</sub>)-alkanoyl, (C<sub>1</sub>-C<sub>8</sub>)-alkoxycarbonyl or (C<sub>1</sub>-C<sub>8</sub>)-alkylsulfonyl, each of which is optionally substituted one, two or three times by carboxyl, amino, (C<sub>1</sub>-C<sub>4</sub>)-alkyl, (C<sub>1</sub>-C<sub>4</sub>)-alkyl-amino, hydroxy, (C<sub>1</sub>-C<sub>3</sub>)-alkoxy, halogen, di-(C<sub>1</sub>-C<sub>4</sub>)-alkyl-amino, carbamoyl, sulfamoyl, (C<sub>1</sub>-C<sub>4</sub>)-alkoxycarbonyl, (C<sub>6</sub>-C<sub>12</sub>)-aryl or (C<sub>6</sub>-C<sub>12</sub>)-aryl-(C<sub>1</sub>-

C<sub>5</sub>)-alkyl, or each of which is optionally substituted one time by (C<sub>3</sub>-C<sub>8</sub>)-cycloalkyl, (C<sub>1</sub>-C<sub>4</sub>)-alkylsulfonyl, (C<sub>1</sub>-C<sub>4</sub>)-alkylsulfinyl, (C<sub>6</sub>-C<sub>12</sub>)-aryl-(C<sub>1</sub>-C<sub>4</sub>)-alkylsulfonyl, (C<sub>6</sub>-C<sub>12</sub>)-aryl-(C<sub>1</sub>-C<sub>4</sub>)-alkylsulfinyl, (C<sub>6</sub>-C<sub>12</sub>)-aryloxy, (C<sub>3</sub>-C<sub>9</sub>)-heteroaryl or (C<sub>3</sub>-C<sub>9</sub>)-heteroaryloxy, and is further optionally substituted one or two times by carboxyl, amino, (C<sub>1</sub>-C<sub>4</sub>)-alkylamino, hydroxy, (C<sub>1</sub>-C<sub>4</sub>)-alkoxy, halogen, di-(C<sub>1</sub>-C<sub>4</sub>)-alkylamino, carbamoyl, sulfamoyl, (C<sub>1</sub>-C<sub>4</sub>)-alkyloxycarbonyl, (C<sub>6</sub>-C<sub>12</sub>)-aryl or (C<sub>6</sub>-C<sub>12</sub>)-aryl-(C<sub>1</sub>-C<sub>5</sub>)-alkyl, wherein the heteroaryl is optionally substituted one, two, three or four times by carboxyl, amino, nitro, hydroxy, cyano, (C<sub>1</sub>-C<sub>4</sub>)-alkylamino, (C<sub>1</sub>-C<sub>4</sub>)-alkyl, (C<sub>1</sub>-C<sub>4</sub>)-alkoxy, halogen, di-(C<sub>1</sub>-C<sub>4</sub>)-alkylamino, carbamoyl, sulfamoyl or (C<sub>1</sub>-C<sub>4</sub>)-alkoxycarbonyl, (C<sub>3</sub>-C<sub>8</sub>)-cycloalkyl, carbamoyl, which is optionally substituted on the nitrogen by (C<sub>1</sub>-C<sub>6</sub>)-alkyl or (C<sub>6</sub>-C<sub>12</sub>)-aryl, or (C<sub>6</sub>-C<sub>12</sub>)-aryl, (C<sub>6</sub>-C<sub>12</sub>)-aroyl, (C<sub>6</sub>-C<sub>12</sub>)-arylsulfonyl, (C<sub>3</sub>-C<sub>9</sub>)-heteroaryl or (C<sub>3</sub>-C<sub>9</sub>)-heteroaroyl, wherein the heteroaryl, aroyl, arylsulfonyl and heteroaroyl are each independently optionally substituted one, two, three or four times by carboxyl, amino, nitro, hydroxy, cyano, (C<sub>1</sub>-C<sub>4</sub>)-alkylamino, (C<sub>1</sub>-C<sub>4</sub>)-alkyl, (C<sub>1</sub>-C<sub>4</sub>)-alkoxy, halogen, di-(C<sub>1</sub>-C<sub>4</sub>)-alkylamino, carbamoyl, sulfamoyl or (C<sub>1</sub>-C<sub>4</sub>)-alkoxycarbonyl;

B is Arg, Lys, Orn, 2,4-diaminobutyroyl or L-homo-arginine, wherein the amino or the guanidino group of the side chain of Arg, Lys, Orn, 2,4-diaminobutyroyl or L-homo-arginine is independently optionally substituted by hydrogen,

(C<sub>1</sub>-C<sub>8</sub>)-alkyl, (C<sub>1</sub>-C<sub>8</sub>)-alkanoyl, (C<sub>1</sub>-C<sub>8</sub>)-alkoxycarbonyl or (C<sub>1</sub>-C<sub>8</sub>)-alkylsulfonyl, each of which is optionally substituted one, two or three times by carboxyl, amino, (C<sub>1</sub>-C<sub>4</sub>)-alkyl, (C<sub>1</sub>-C<sub>4</sub>)-alkyl-amino, hydroxy, (C<sub>1</sub>-C<sub>3</sub>)-alkoxy, halogen, di-(C<sub>1</sub>-C<sub>4</sub>)-alkyl-amino, carbamoyl, sulfamoyl, (C<sub>1</sub>-C<sub>4</sub>)-alkoxycarbonyl, (C<sub>6</sub>-C<sub>12</sub>)-aryl or (C<sub>6</sub>-C<sub>12</sub>)-aryl-(C<sub>1</sub>-C<sub>5</sub>)-alkyl, or each of which is optionally substituted one time by (C<sub>3</sub>-C<sub>8</sub>)-cycloalkyl, (C<sub>1</sub>-C<sub>4</sub>)-alkylsulfonyl, (C<sub>1</sub>-C<sub>4</sub>)-alkylsulfinyl, (C<sub>6</sub>-C<sub>12</sub>)-aryl-(C<sub>1</sub>-C<sub>4</sub>)-alkylsulfonyl, (C<sub>6</sub>-C<sub>12</sub>)-aryl-(C<sub>1</sub>-C<sub>4</sub>)-alkylsulfinyl, (C<sub>6</sub>-C<sub>12</sub>)-aryloxy, (C<sub>3</sub>-C<sub>9</sub>)-heteroaryl or (C<sub>3</sub>-C<sub>9</sub>)-heteroaryloxy, and is further optionally substituted one or two times by carboxyl, amino, (C<sub>1</sub>-C<sub>4</sub>)-alkylamino, hydroxy, (C<sub>1</sub>-C<sub>4</sub>)-alkoxy, halogen, di-(C<sub>1</sub>-C<sub>4</sub>)-alkylamino, carbamoyl, sulfamoyl, (C<sub>1</sub>-C<sub>4</sub>)-alkyloxycarbonyl, (C<sub>6</sub>-C<sub>12</sub>)-aryl or (C<sub>6</sub>-C<sub>12</sub>)-aryl-(C<sub>1</sub>-C<sub>5</sub>)-alkyl, wherein the heteroaryl is optionally substituted one, two, three or four times by carboxyl, amino, nitro, hydroxy, cyano, (C<sub>1</sub>-C<sub>4</sub>)-alkylamino, (C<sub>1</sub>-C<sub>4</sub>)-alkyl, (C<sub>1</sub>-C<sub>4</sub>)-alkoxy, halogen, di-(C<sub>1</sub>-C<sub>4</sub>)-alkylamino, carbamoyl, sulfamoyl or (C<sub>1</sub>-C<sub>4</sub>)-alkoxycarbonyl, (C<sub>3</sub>-C<sub>8</sub>)-cycloalkyl, carbamoyl, which is optionally substituted on the nitrogen by (C<sub>1</sub>-C<sub>6</sub>)-alkyl or (C<sub>6</sub>-C<sub>12</sub>)-aryl,

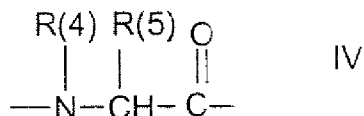
or

(C<sub>6</sub>-C<sub>12</sub>)-aryl, (C<sub>6</sub>-C<sub>12</sub>)-aroyl, (C<sub>6</sub>-C<sub>12</sub>)-arylsulfonyl, (C<sub>3</sub>-C<sub>9</sub>)-heteroaryl or (C<sub>3</sub>-C<sub>9</sub>)heteroaroyl, wherein the heteroaryl, aroyl, arylsulfonyl and heteroaroyl are each independently optionally substituted one, two, three or four times by carboxyl, amino, nitro, hydroxy, cyano, (C<sub>1</sub>-C<sub>4</sub>)-alkylamino, (C<sub>1</sub>-C<sub>4</sub>)-alkyl, (C<sub>1</sub>-C<sub>4</sub>)-alkoxy, halogen, di-(C<sub>1</sub>-C<sub>4</sub>)-alkylamino, carbamoyl, sulfamoyl or (C<sub>1</sub>-C<sub>4</sub>)-alkoxycarbonyl;

X is of formula IIIa or IIIb



wherein G' independently of one another is of formula IV

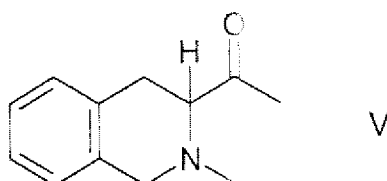


wherein R(4) and R(5) together with the atoms they connect to form a heterocyclic mono-, bi- or tricyclic ring having 2 to 15 carbon atoms, and n is 2 to 8;

E is phenylalanine optionally substituted by halogen in the 2-, 3-or 4-ring position, tyrosine, O-methyltyrosine, 2-thienylalanine, 2-pyridylalanine or naphthylalanine;

F is covalent bond, or neutral, acidic or basic aliphatic or aromatic amino acid, which is optionally substituted in the side chain;

(D)-TIC is of formula V



G is G' or a covalent bond;

F' is covalent bond,  $\text{---NH---(CH}_2\text{)}_n\text{---}$  wherein n is 2 – 8, or basic amino acid Arg or Lys in the L or D form, wherein the guanidino group or amino group of the side chain of the Arg or Lys is optionally substituted by

hydrogen,

(C<sub>1</sub>-C<sub>8</sub>)-alkyl, (C<sub>1</sub>-C<sub>8</sub>)-alkanoyl, (C<sub>1</sub>-C<sub>8</sub>)-alkoxycarbonyl or (C<sub>1</sub>-C<sub>8</sub>)-alkylsulfonyl, each of which is optionally substituted one, two or three times by carboxyl, amino, (C<sub>1</sub>-C<sub>4</sub>)-alkyl, (C<sub>1</sub>-C<sub>4</sub>)-alkyl-amino, hydroxy, (C<sub>1</sub>-C<sub>3</sub>)-alkoxy, halogen, di-(C<sub>1</sub>-C<sub>4</sub>)-alkyl-amino, carbamoyl, sulfamoyl, (C<sub>1</sub>-C<sub>4</sub>)-alkoxycarbonyl, (C<sub>6</sub>-C<sub>12</sub>)-aryl or (C<sub>6</sub>-C<sub>12</sub>)-aryl-(C<sub>1</sub>-C<sub>5</sub>)-alkyl, or each of which is optionally substituted one time by (C<sub>3</sub>-C<sub>8</sub>)-cycloalkyl, (C<sub>1</sub>-C<sub>4</sub>)-alkylsulfonyl, (C<sub>1</sub>-C<sub>4</sub>)-alkylsulfinyl, (C<sub>6</sub>-C<sub>12</sub>)-aryl-(C<sub>1</sub>-C<sub>4</sub>)-

alkylsulfonyl, (C<sub>6</sub>-C<sub>12</sub>)-aryl-(C<sub>1</sub>-C<sub>4</sub>)-alkylsulfinyl, (C<sub>6</sub>-C<sub>12</sub>)-aryloxy, (C<sub>3</sub>-C<sub>9</sub>)-heteroaryl or (C<sub>3</sub>-C<sub>9</sub>)-heteroaryloxy, and is further optionally substituted one or two times by carboxyl, amino, (C<sub>1</sub>-C<sub>4</sub>)-alkylamino, hydroxy, (C<sub>1</sub>-C<sub>4</sub>)-alkoxy, halogen, di-(C<sub>1</sub>-C<sub>4</sub>)-alkylamino, carbamoyl, sulfamoyl, (C<sub>1</sub>-C<sub>4</sub>)-alkyloxycarbonyl, (C<sub>6</sub>-C<sub>12</sub>)-aryl or (C<sub>6</sub>-C<sub>12</sub>)-aryl-(C<sub>1</sub>-C<sub>5</sub>)-alkyl, wherein the heteroaryl is optionally substituted one, two, three or four times by carboxyl, amino, nitro, hydroxy, cyano, (C<sub>1</sub>-C<sub>4</sub>)-alkylamino, (C<sub>1</sub>-C<sub>4</sub>)-alkyl, (C<sub>1</sub>-C<sub>4</sub>)-alkoxy, halogen, di-(C<sub>1</sub>-C<sub>4</sub>)-alkylamino, carbamoyl, sulfamoyl or (C<sub>1</sub>-C<sub>4</sub>)-alkoxycarbonyl, (C<sub>3</sub>-C<sub>8</sub>)-cycloalkyl, carbamoyl, which is optionally substituted on the nitrogen by (C<sub>1</sub>-C<sub>6</sub>)-alkyl or (C<sub>6</sub>-C<sub>12</sub>)-aryl,

or

(C<sub>6</sub>-C<sub>12</sub>)-aryl, (C<sub>6</sub>-C<sub>12</sub>)-aroyl, (C<sub>6</sub>-C<sub>12</sub>)-arylsulfonyl, (C<sub>3</sub>-C<sub>9</sub>)-heteroaryl or (C<sub>3</sub>-C<sub>9</sub>)-heteroaroyl, wherein the heteroaryl, aroyl, arylsulfonyl and heteroaroyl are each independently optionally substituted one, two, three or four times by carboxyl, amino, nitro, hydroxy, cyano, (C<sub>1</sub>-C<sub>4</sub>)-alkylamino, (C<sub>1</sub>-C<sub>4</sub>)-alkyl, (C<sub>1</sub>-C<sub>4</sub>)-alkoxy, halogen, di-(C<sub>1</sub>-C<sub>4</sub>)-alkylamino, carbamoyl, sulfamoyl or (C<sub>1</sub>-C<sub>4</sub>)-alkoxycarbonyl;

I is -OH, -NH<sub>2</sub> or NHC<sub>2</sub>H<sub>5</sub>;

K is covalent bond or -NH-(CH<sub>2</sub>)<sub>x</sub>-CO, wherein x is 1 to 4; and

M is covalent bond, or neutral, acidic or basic aliphatic or aromatic amino acid, which is optionally substituted in the side chain;

or its physiologically tolerable salts thereof.

2. (Original) The method according to claim 1, wherein

B is Arg, Orn or Lys,

wherein the guanidino group or the amino group of the side chain is each independently optionally substituted by (C<sub>1</sub>-C<sub>8</sub>)-alkanoyl, (C<sub>6</sub>-C<sub>12</sub>)-aroyl, (C<sub>3</sub>-C<sub>9</sub>)-heteroaroyl, (C<sub>1</sub>-C<sub>8</sub>)-alkylsulfonyl or (C<sub>6</sub>-C<sub>12</sub>)-arylsulfonyl, wherein the aroyl, arylsulfonyl and heteroaroyl are each independently optionally substituted one,

two, three or four times by carboxyl, amino, nitro, hydroxy, cyano, (C<sub>1</sub>-C<sub>4</sub>)-alkylamino, (C<sub>1</sub>-C<sub>4</sub>)-alkyl, (C<sub>1</sub>-C<sub>4</sub>)-alkoxy, halogen, di-(C<sub>1</sub>-C<sub>4</sub>)-alkylamino, carbamoyl, sulfamoyl or (C<sub>1</sub>-C<sub>4</sub>)-alkoxycarbonyl;

E is phenylalanine, 2-chlorophenylalanine, 3-chloro-phenylalanine, 2-fluorophenylalanine, 3-fluorophenyl-alanine, 4-fluorophenylalanine, tyrosine, O-methyl-tyrosine or  $\beta$ -(2-thienyl)alanine;

K is covalent bond; and

M is covalent bond.

3. (Original) The method according to claim 1, wherein:

A is hydrogen, (D)- or (L)-H-Arg, (D)- or (L)-H-Lys or (D)- or (L)-H-Orn;

B is Arg, Orn or Lys,

wherein the guanidino group or the amino group of the side chain is optionally substituted by hydrogen, (C<sub>1</sub>-C<sub>8</sub>)-alkanoyl, (C<sub>6</sub>-C<sub>12</sub>)-aroyl, (C<sub>3</sub>-C<sub>9</sub>)-heteroaroyl, (C<sub>1</sub>-C<sub>8</sub>)-alkylsulfonyl or (C<sub>6</sub>-C<sub>12</sub>)-arylsulfonyl, wherein the aroyl, arylsulfonyl and heteroaroyl are each independently optionally substituted one, two, three or four times by methyl, methoxy or halogen;

X is Pro-Pro-Gly, Hyp-Pro-Gly or Pro-Hyp-Gly;

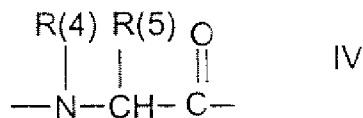
E is Phe or Thia;

F is Ser, Hser, Lys, Leu, Val, Nle, Ile or Thr;

K is covalent bond

M is covalent bond

G is of the formula IV,



wherein R(4) and R(5) together with the atoms they connect to form pyrrolidine, piperidine, tetrahydro-isoquinoline, cis- or trans-decahydroisoquinoline, cis-endo-



octahydroindole, cis-exo-octahydro-indole, trans-octahydroindole, cis-endo-, cis-exo-, trans-octahydrocyclopentano[b]pyrrole, or hydroxyproline;

F' is Arg; and

I is OH.

4. (Original) The method according to claim 1, wherein the compound of the formula I is H-(D)-Arg-Arg-Pro-Hyp-Gly-Thia-Ser-(D)-Tic-Oic-Arg-OH, H-(D)-Arg-Arg-Pro-Pro-Gly-Thia-Ser-(D)-Tic-Oic-Arg-OH, H-(D)-Arg-Arg-Pro-Hyp-Gly-Phe-Ser-(D)-Tic-Oic-Arg-OH, H-(D)-Arg-Arg-Hyp-Pro-Gly-Phe-Ser-(D)-Tic-Oic-Arg-OH or H-(D)-Arg-Arg-Pro-Pro-Gly-Phe-Ser-(D)-Tic-Oic-Arg-OH.
5. (Original) The method according to claim 1, wherein the compound of the formula I is D-arginyl-L-arginyl-L-prolyl-L-prolylglycyl-3-(2-thienyl)- L-alanyl-L-seryl-(3R)-1,2,3,4-tetrahydro-3-isoquinolinecarbonyl-(2S,3aS,7aS)-octahydro-1H-indole-2-carbonyl-L-arginine.
6. (Cancelled)
7. (Original) The method according to claim 1, wherein the administration is carried out by subcutaneous, intraarticular, intraperitoneal or intravenous injection or transdermal administration.